1. **GENERAL DATA AND INFORMATION**

Bay No. : Aux. Voltage :

Bay Name : Serial No. :

Manufacturer : Order No. :

Drawing and Sh. No. : Conn. Diag. No. :

1. **RELAY SETTINGS**

Current Setting I>: I>>:

Curve Setting: blocking voltage:

Angle:

Direction:

1. **LOAD MEASUREMENT:**
	1. **(Control Panel)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Load | Current A | Active Power MW | Import/Export | Reactive power MVAR | Import/Export |
| Local |  |  |  |  |  |
| Remote |  |  |  |  |  |

* 1. **Relay Measurement: (for digital relays)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Load | Current A | Active Power MW | Import/Export | Reactive power MVAR | Import/Export |
| Local |  |  |  |  |  |
| Remote |  |  |  |  |  |

1. **DIRECTIONAL CHECK:** (Ref: 5.23.3 of TCS-P - 105-R1)

Note: Minimize current setting to be less than available load current.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fault type | Short & isolate Current phases | phase Current terminals status |  Measured current value | healthy voltage phase | Measured voltage value | Measured Angle | Relay Action | Directionality result |
| OK | NOT OK |
| R-E | Y& B | normal |  | Y-B |  |  |  |  |  |
| Y& B | Reverse |  | Y-B |  |  |  |  |  |
| Y-E | R & B | normal |  | B-R |  |  |  |  |  |
| R & B | Reverse |  | B-R |  |  |  |  |  |
| B-E | R & Y | normal |  | R-Y |  |  |  |  |  |
| R & Y | Reverse |  | R-Y |  |  |  |  |  |

1. **GENERAL INFORMATION**

Load Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Feeder | Bus | A | MW | MVAR |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **MEASUREMENT AT LCC PANELS**

 Drawing and Sheet No

|  |  |  |  |
| --- | --- | --- | --- |
| Panel |  | Panel |  |
| TB.No |  |  |  |  | TB.No |  |  |  |  |
| Current(Amps) |  |  |  |  | Current(Amps) |  |  |  |  |
| Angle(Degree) |  |  |  |  | Angle(Degree) |  |  |  |  |
|  |  |
| TB.No |  |  |  |  | TB.No |  |  |  |  |
| Current(Amps) |  |  |  |  | Current(Amps) |  |  |  |  |
| Angle(Degree) |  |  |  |  | Angle(Degree) |  |  |  |  |
|  |  |
| TB.No |  |  |  |  | TB.No |  |  |  |  |
| Current(Amps) |  |  |  |  | Current(Amps) |  |  |  |  |
| Angle(Degree) |  |  |  |  | Angle(Degree) |  |  |  |  |

1. **MEASUREMENT AT BB PANELS**

 Drawing and Sheet No

|  |  |  |  |
| --- | --- | --- | --- |
| Panel |  | Panel |  |
| Device |  | Device |  |
| Terminal No. |  |  |  |  | Terminal No. |  |  |  |  |
| Voltage(mV) |  |  |  |  | Voltage(mV) |  |  |  |  |
|  |  |
| Panel |  | Panel |  |
| Device |  | Device |  |
| Terminal No. |  |  |  |  | Terminal No. |  |  |  |  |
| Voltage(mV) |  |  |  |  | Voltage(mV) |  |  |  |  |

1. Remarks: